

Fig. 1

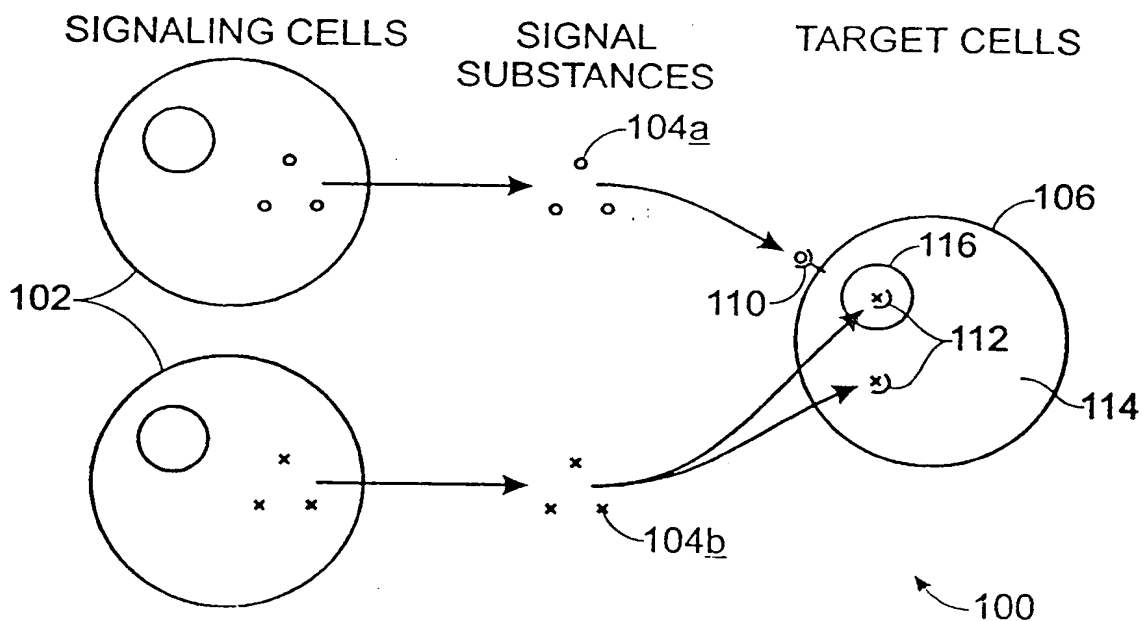


Fig. 2

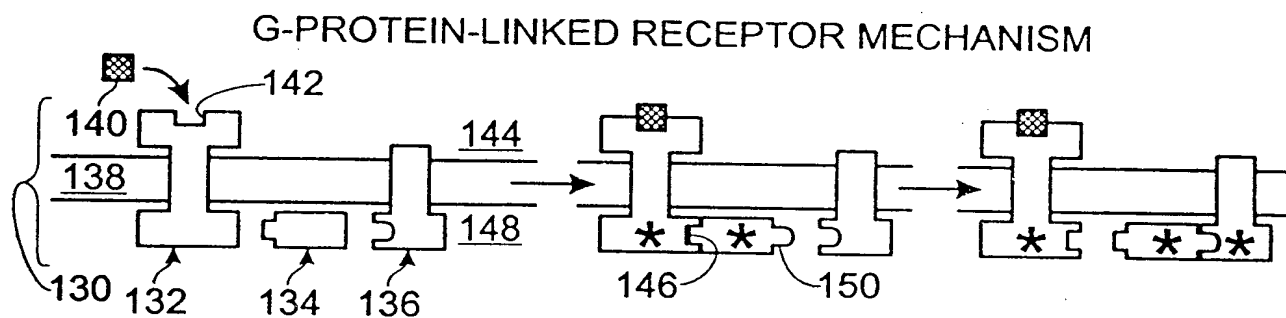
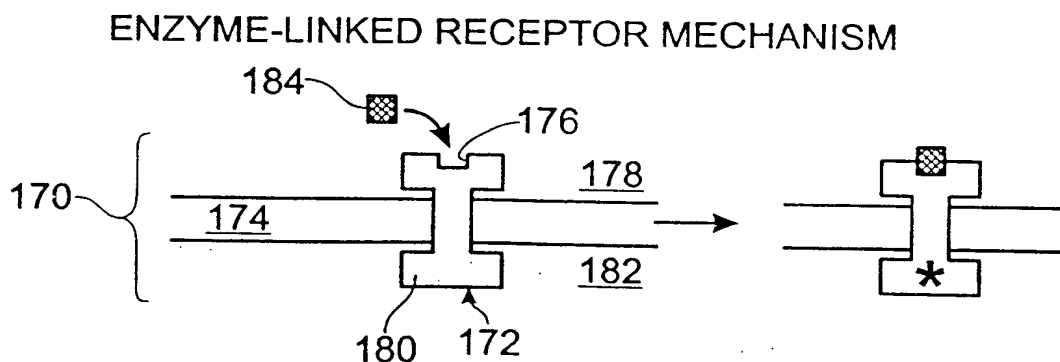
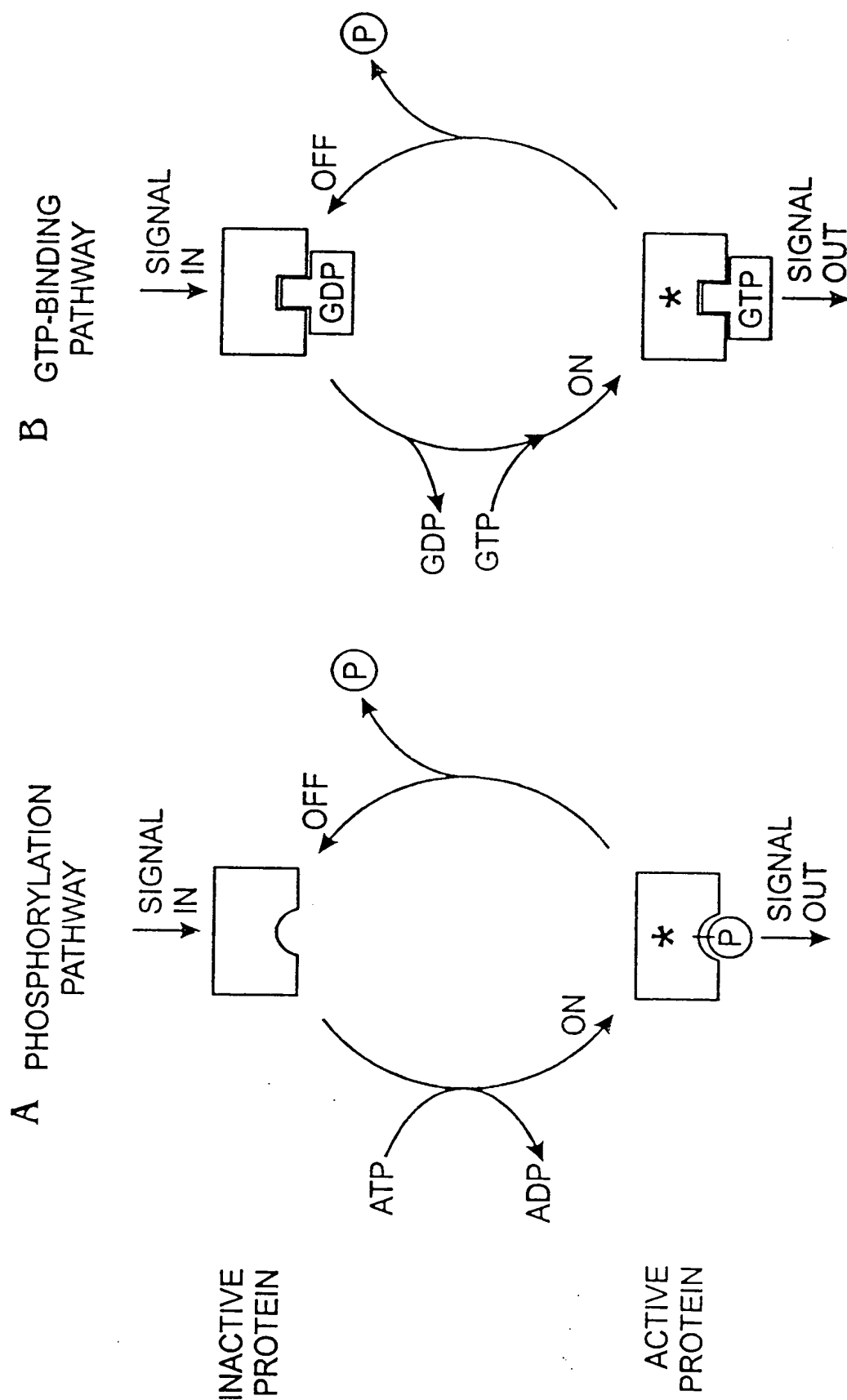


Fig. 3



## INTRACELLULAR SIGNALING PATHWAYS





# Fluorescence Polarization Displacement Assay

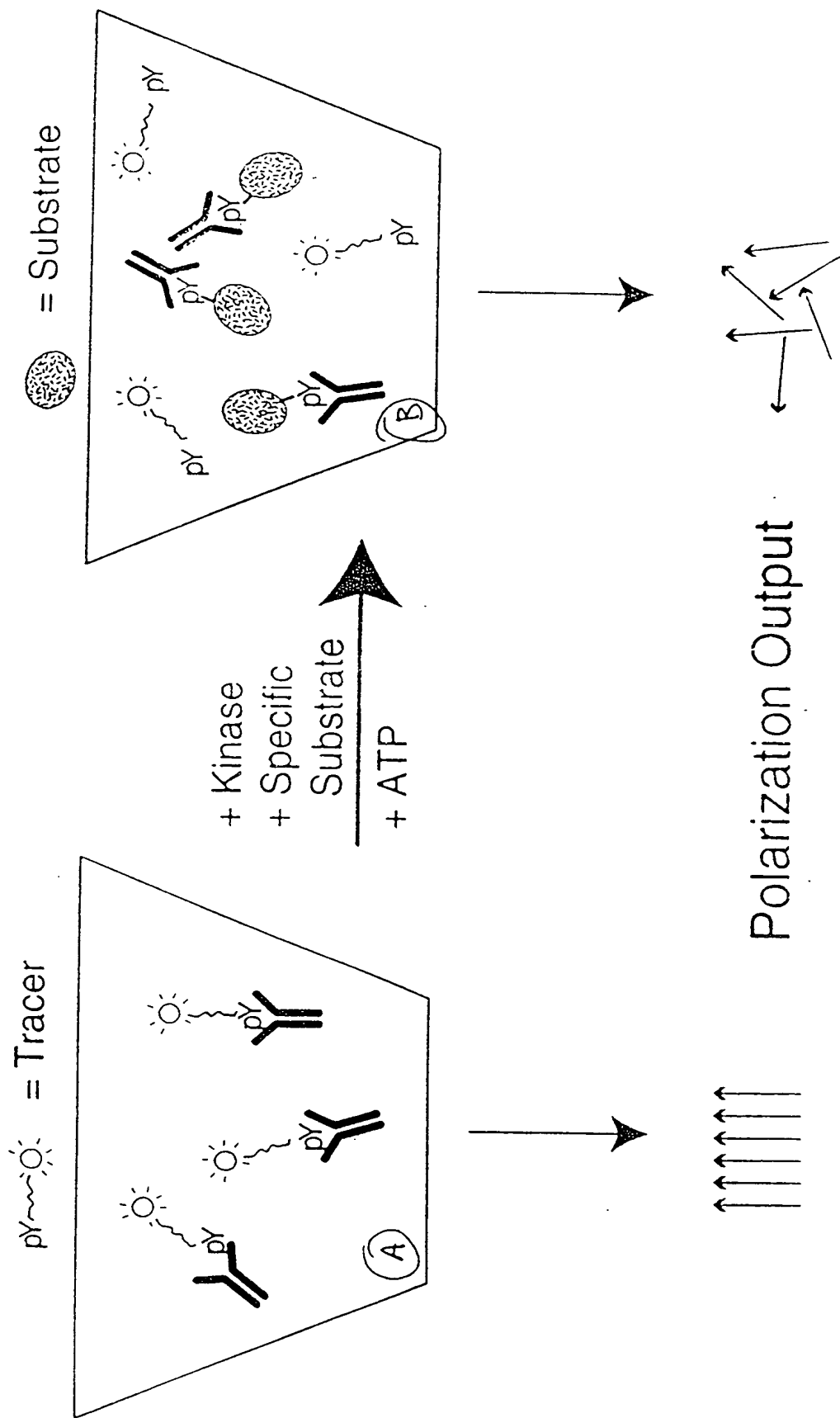


Figure 6

Fig. 7

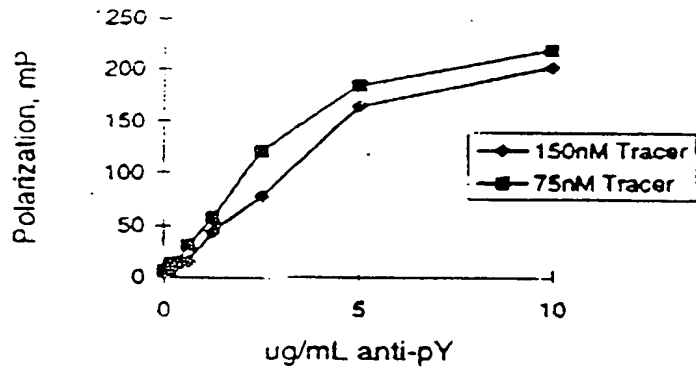
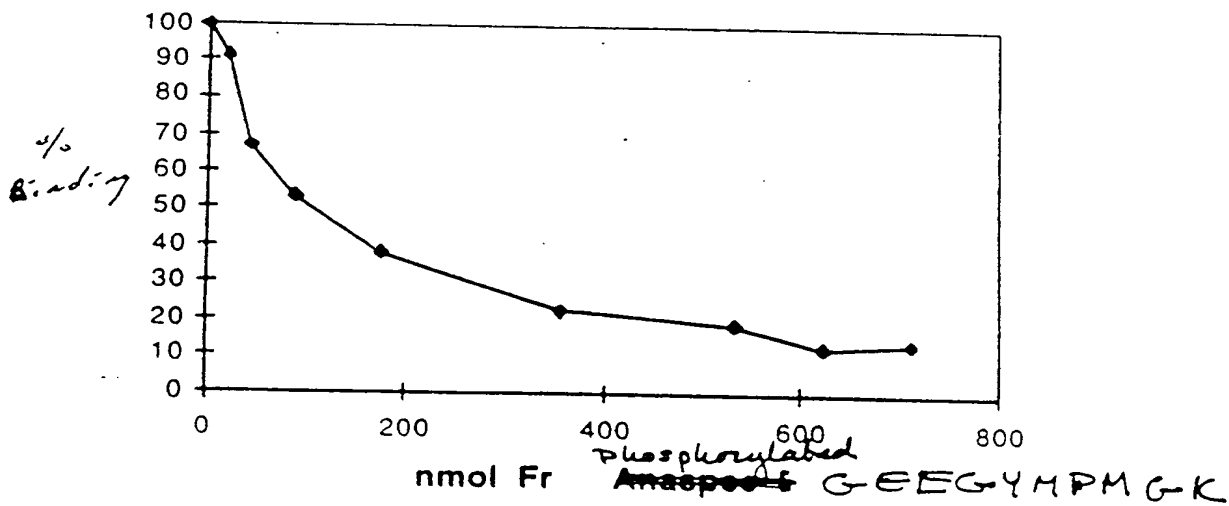


Fig. 8



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Fig. 9

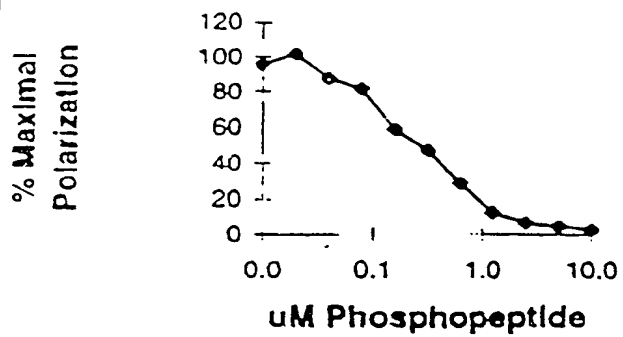
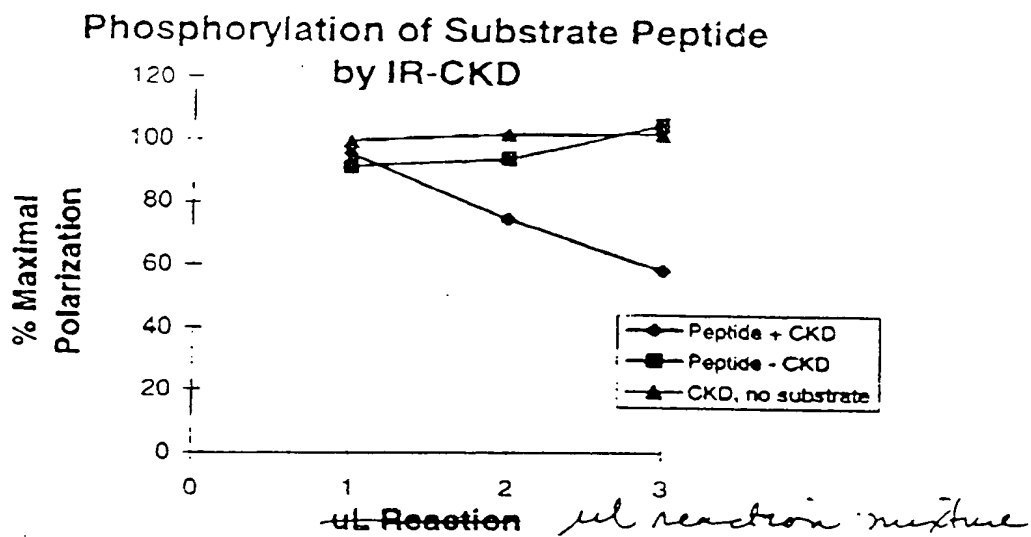


Fig. 10



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Fig 11

Time course for the effect of presence of IR-CKD in Phosphorylation of "S"-Peptide

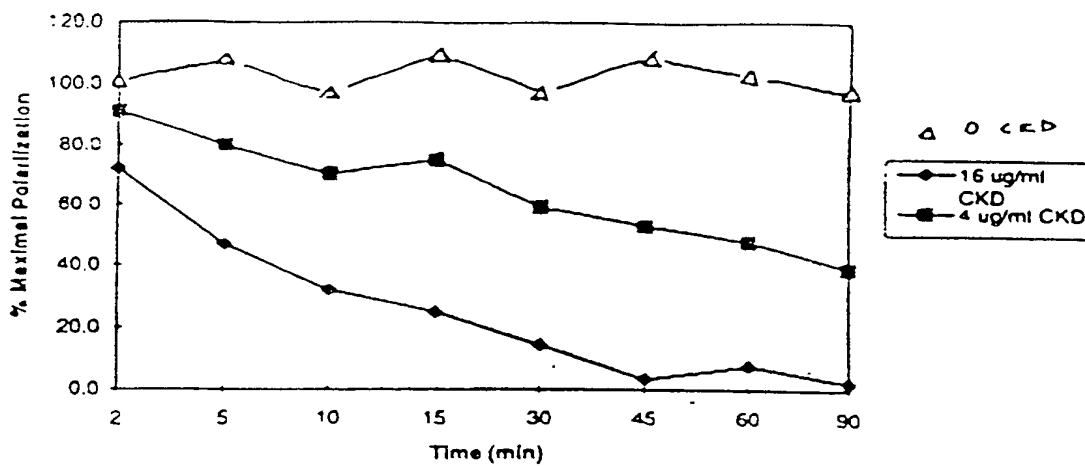


Fig. 12

34405711 inhibitory effect of picetanol on IR-CKD in phosphorylation of "S" peptide

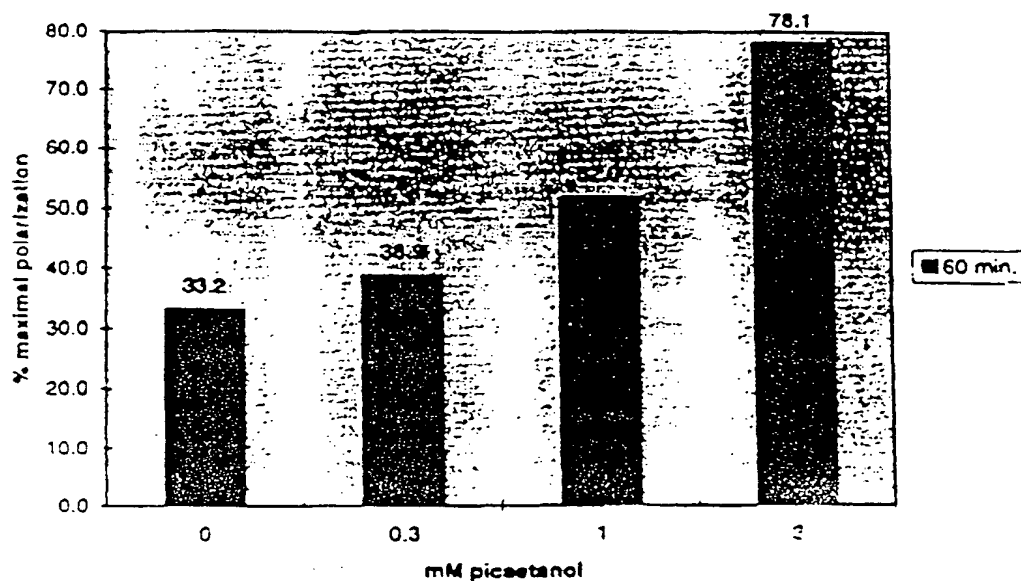


FIGURE 13 SCREEN FOR AGONIST ACTIVITY USING IR-CKD

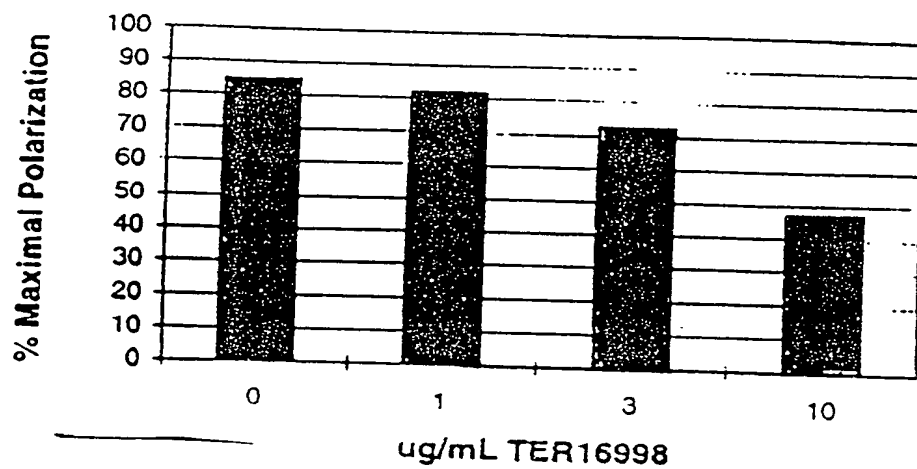
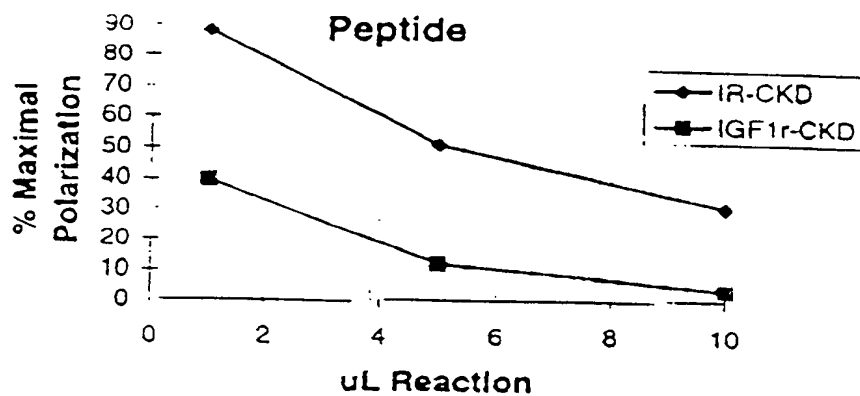


Fig. 14





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Fig. 15

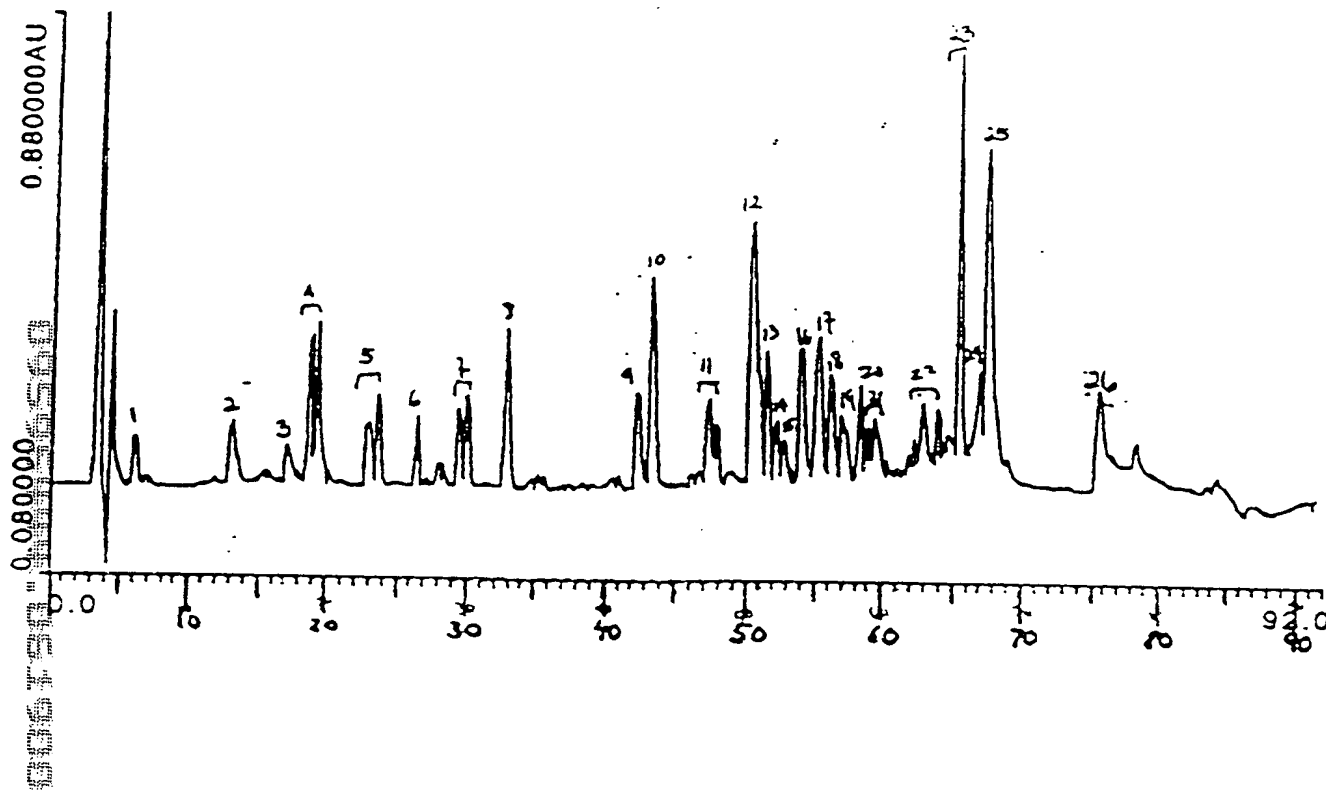


Fig. 16

**pY Peptide Mapping: Phosphorylation  
Detection by Fluorescence Polarization**

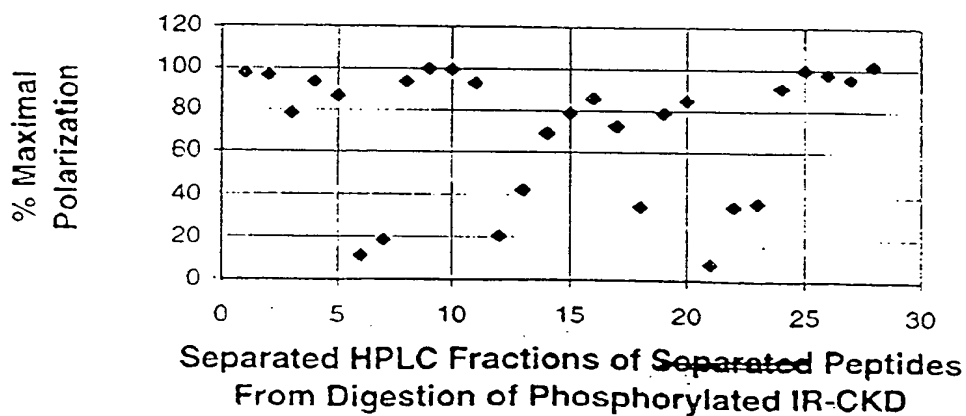
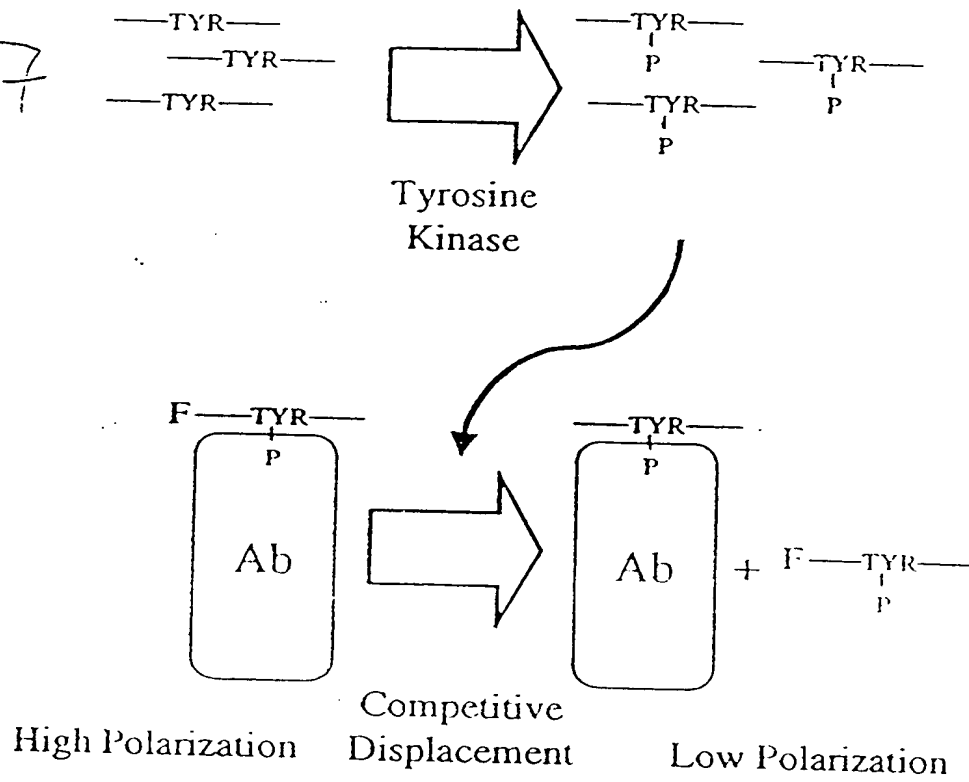


Fig. 17



F = Fluorescein

P = Phosphate Group

—TYR— = Substrate

Fig. 18

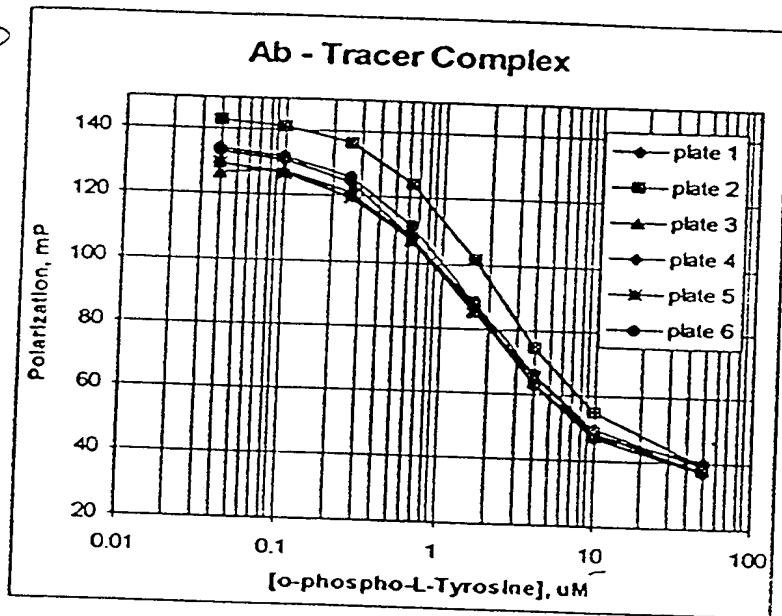


Fig. 19

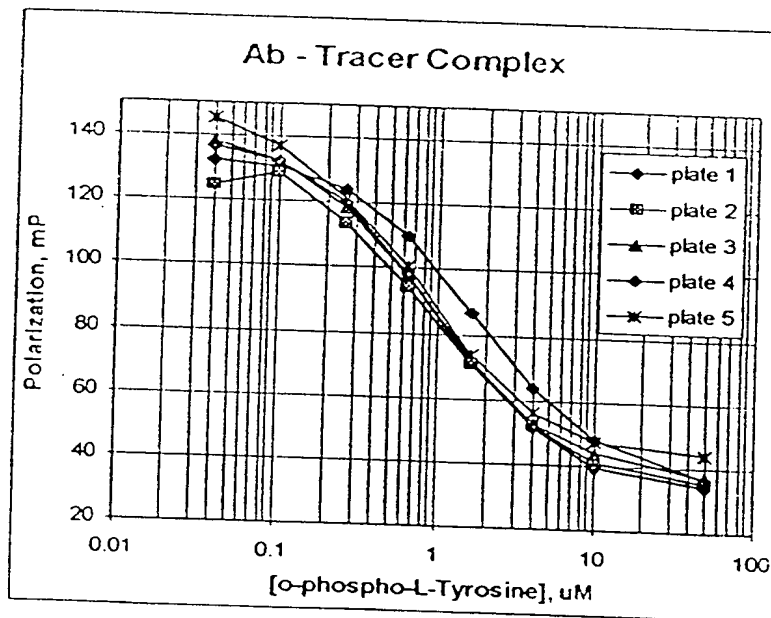


Fig. 20

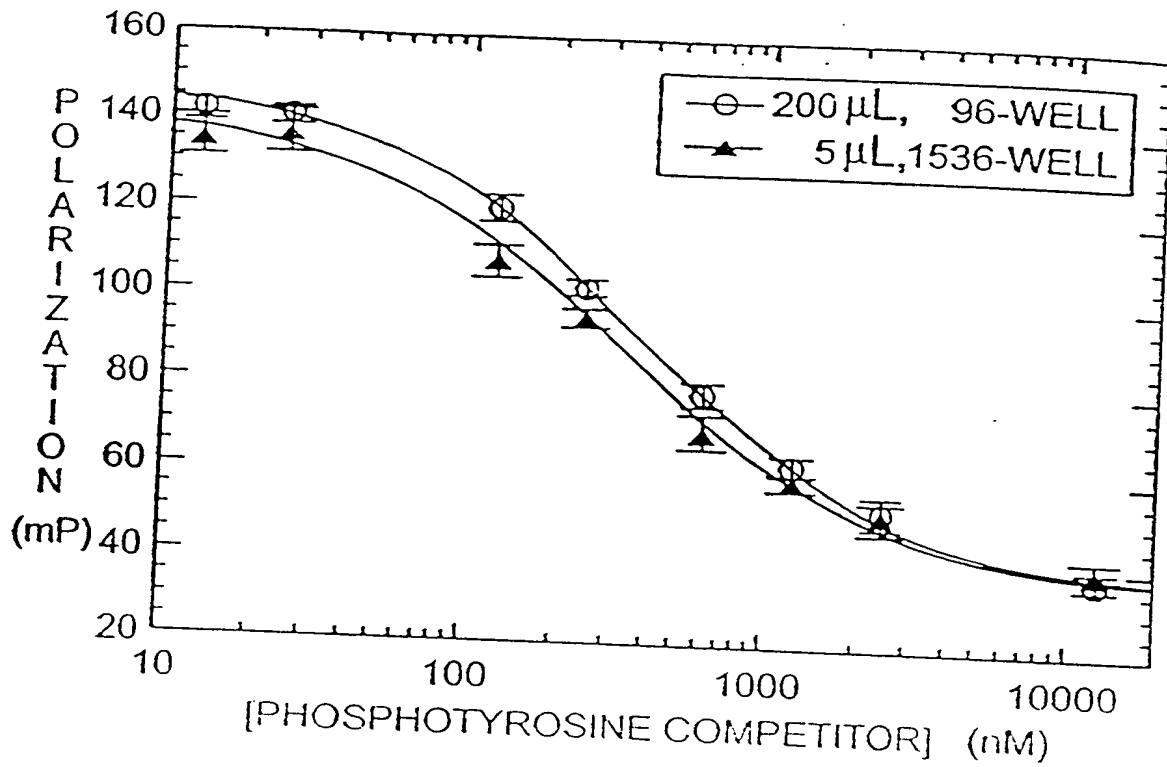
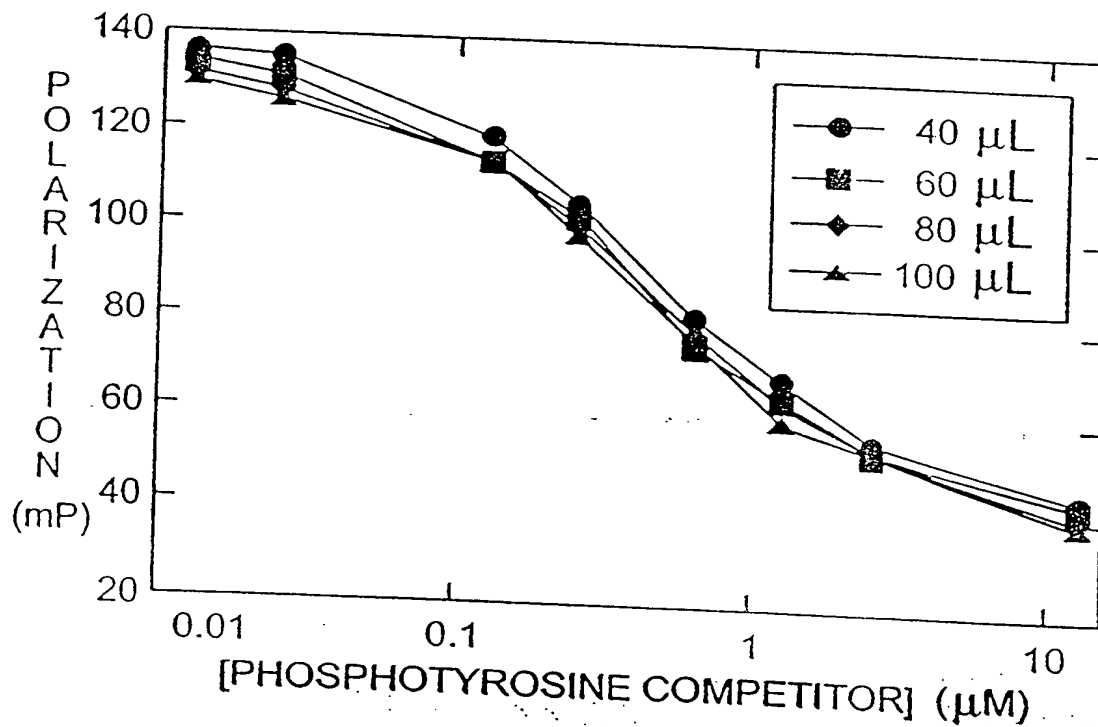
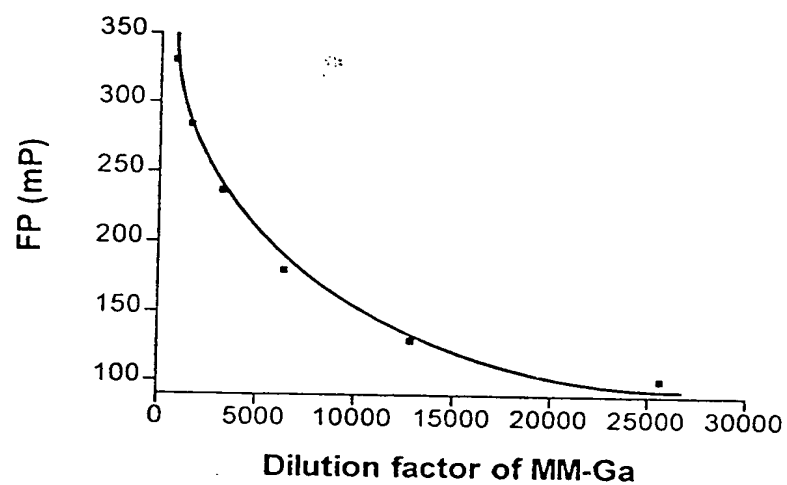
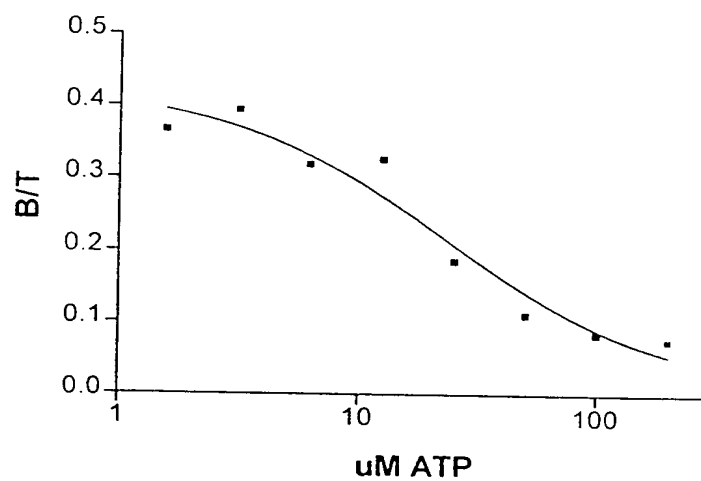
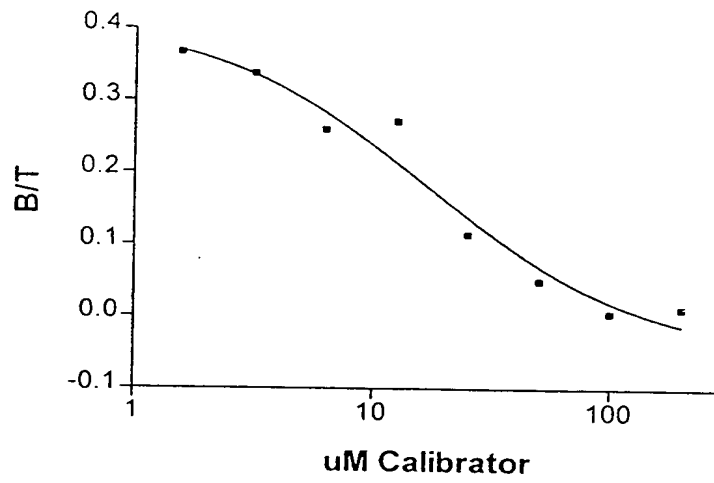
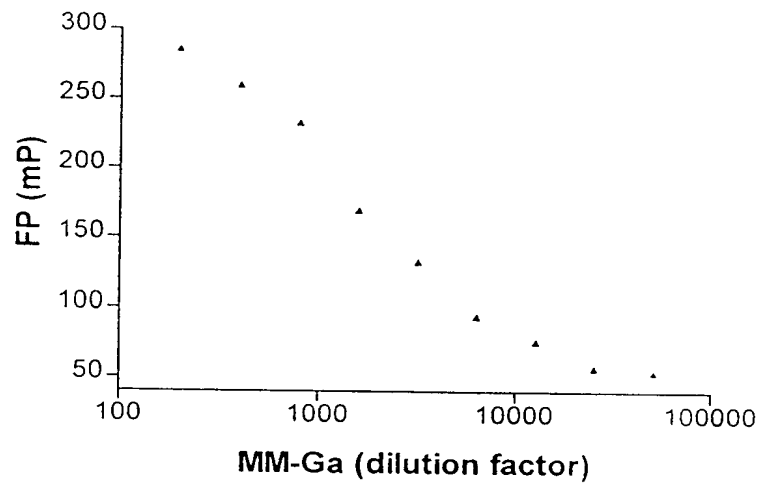
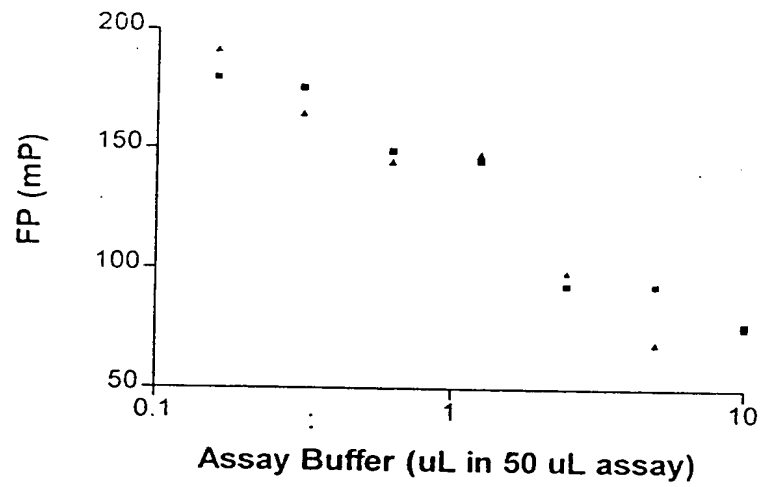
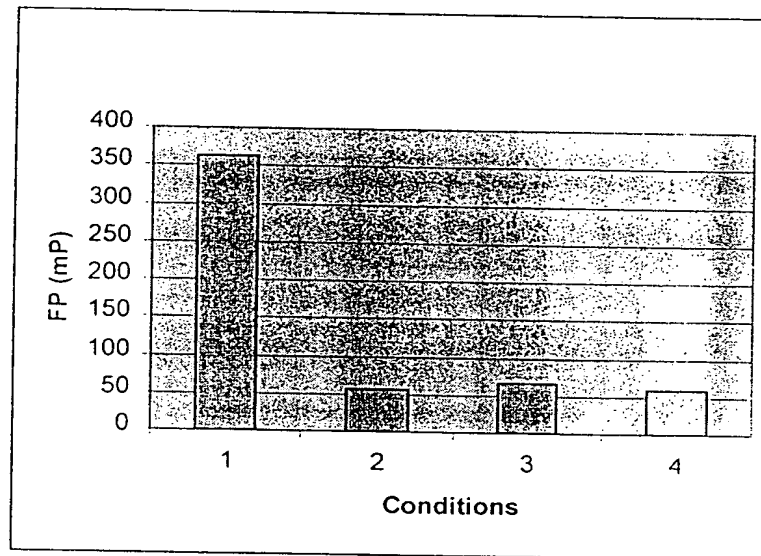


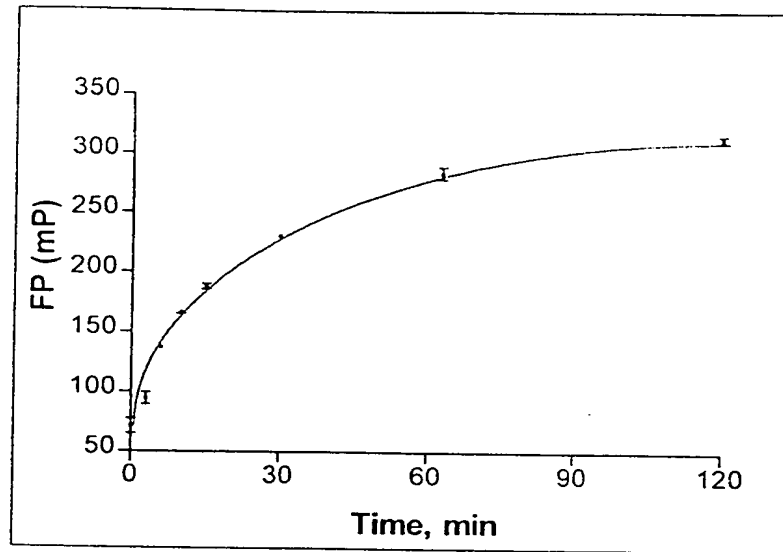
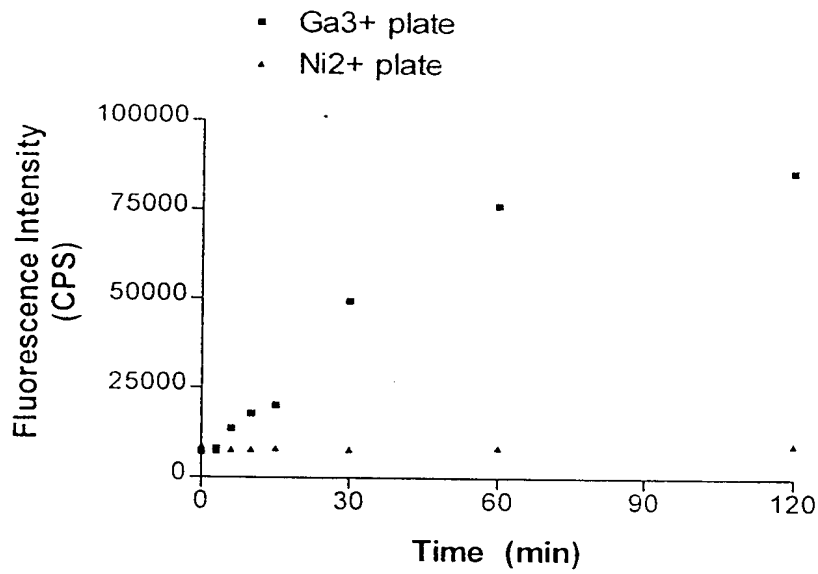
Fig. 21



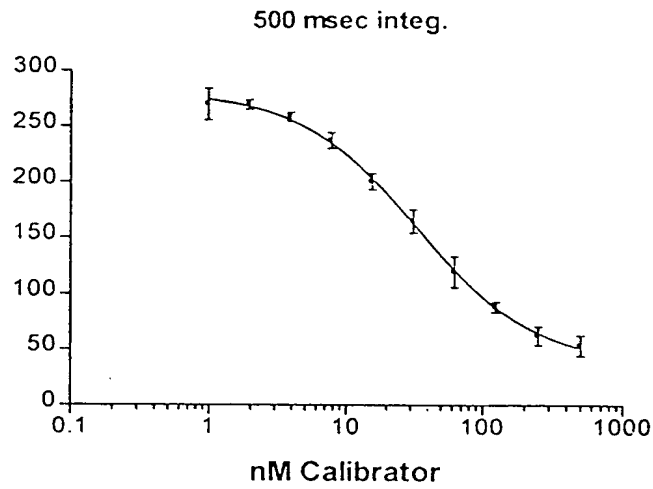
**Fig. 22****Fig. 23**

**Fig. 24****Fig. 25**

**Fig. 26****Fig. 27**

**Fig. 28****Fig. 29**



**Fig. 30****A****B**